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RAW SEQUENCE LISTING PATENT APPLICATION US/09/021,706

OIPE #6

DATE: 02/27/98 TIME: 18:48:14

INPUT SET: S23913.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

ENTERED

```
1
                                        SEQUENCE LISTING
 2
 3
     (1)
            General Information
 4
 5
           (i) APPLICANT: Wiley, Steven R.
 6
 7
            (ii) TITLE OF THE INVENTION: MEMBER OF THE TNF FAMILY USEFUL
 8
               FOR TREATMENT AND DIAGNOSIS OF DISEASE
 9
10
            (iii) NUMBER OF SEQUENCES: 11
11
12
            (iv) CORRESPONDENCE ADDRESS:
13
              (A) ADDRESSEE: Abbott Laboratories, D377/AP6D
14
              (B) STREET: 100 Abbott Park Road
15
              (C) CITY: Abbott Park
              (D) STATE: IL
16
17
              (E) COUNTRY: USA
18
              (F) ZIP: 60064
19
20
            (V) COMPUTER READABLE FORM:
21
              (A) MEDIUM TYPE: Diskette
22
              (B) COMPUTER: IBM Compatible
23
              (C) OPERATING SYSTEM: DOS
24
              (D) SOFTWARE: FastSEQ Version 2.0
25
26
            (vi) CURRENT APPLICATION DATA:
27
              (A) APPLICATION NUMBER:
28
              (B) FILING DATE:
29
              (C) CLASSIFICATION:
30
31
            (vii) PRIOR APPLICATION DATA:
32
              (A) APPLICATION NUMBER: 08/798692
33
              (B) FILING DATE: 12-FEB-1997
34
            (viii) ATTORNEY/AGENT INFORMATION:
35
36
              (A) NAME: Becker, Cheryl L.
37
              (B) REGISTRATION NUMBER: 35,441
              (C) REFERENCE/DOCKET NUMBER: 6048.US.P1
38
39
            (ix) TELECOMMUNICATION INFORMATION:
40
41
              (A) TELEPHONE: 847-935-1729
42
              (B) TELEFAX: 847-938-2623
43
              (C) TELEX:
44
45
          (2) INFORMATION FOR SEQ ID NO:1:
```

96 97

98 99

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/021,706

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1236

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					I	<i>INPUT SET: S2.</i>	3913.rı
47 48 49	` (1	_	HARACTERIST 1236 base pa				
50	•	•	NESS: single	3			
51		O) TOPOLOGY:		3			
52	(1) IOPOLOGI:	dikilowii				
53	/ 4 4 5	MOLECULE T	TUDE ADMA				
54	(11)	MOLECOLE I	IPE: CDNA				
55	/vi	SECTION T	TESCETETTON:	SEQ ID NO	• 1 •		
56	(**)	SEQUENCE I	DESCRIPTION .	. SEQ ID NO	• • •		
57	ATGGCCGCCC	GTCGGAGCCA	GAAGCGGAGG	GGGCGCCGGG	GGGAGCCGGG	CACCGCCCTG	60
58		0.000000	3.11.0000.100				
59	CTGGTCCCGC	TCGCGCTGGG	CCTGGGCCTG	GCGCTGGCCT	GCCTCGGCCT	CCTGCTGGCC	120
60							
61	GTGGTCAGTT	TGGGGAGCCG	GGCATCGCTG	TCCGCCCAGG	AGCCTGCCCA	GGAGGAGCTG	180
62							
63	GTGGCAGAGG	AGGACCAGGA	CCCGTCGGAA	CTGAATCCCC	AGACAGAAGA	AAGCCAGGAT	240
64							
65	CCTGCGCCTT	TCCTGAACCG	ACTAGTTCGG	CCTCGAAGAA	GTGCACCTAA	AGGCCGGAAA	300
66							
67	ACACGGGCTC	GAAGAGCGAT	CGCAGCCCAT	TATGAAGTTC	ATCCACGACC	TGGACAGGAC	360
68							
69	GGAGCGCAGG	CAGGTGTGGA	CGGGACAGTG	AGTGGCTGGG	AGGAAGCCAG	AATCAACAGC	420
70							
71	TCCAGCCCTC	TGCGCTACAA	CCGCCAGATC	GGGGAGTTTA	TAGTCACCCG	GGCTGGGCTC	480
72	m. am. aamam		aa.amma.m	a.aaaaaa	amamam) aam	aaamaaa	540
73	TACTACCTGT	ACTGTCAGGT	GCACTTTGAT	GAGGGGAAGG	CTGTCTACCT	GAAGCTGGAC	540
74 75	ппаатаатаа	A THOU COMO COMO	aaaaamaaaa	TGCCTGGAGG	3 3 mm cm c 3 c c	a y amadadad	600
76	1166166166	AIGGIGIGCI	GGCCCIGCGC	IGCCIGGAGG	AATTCTCAGC	CACIGCGGCG	600
77	ልርጥጥርርርጥርር	GGCCCCAGCT	СССССТСТСС	CAGGTGTCTG	ссстсттссс	ССТССССССА	660
78	AGTICCCICG	GGCCCCAGCI	0000010100	CAGGIGICIG	0001011000	CCIGCGGCCA	000
79	GGGTCCTCCC	TGCGGATCCG	CACCCTCCCC	TGGGCCCATC	TCAAGGCTGC	CCCCTTCCTC	720
80							•
81	ACCTACTTCG	GACTCTTCCA	GGTTCACTGA	GGGGCCCTGG	TCTCCCCGCA	GTCGTCCCAG	780
82							
83	GCTGCCGGCT	CCCCTCGACA	GCTCTCTGGG	CACCCGGTCC	CCTCTGCCCC	ACCCTCAGCC	840
84							
85	GCTCTTTGCT	CCAGACCTGC	CCCTCCCTCT	AGAGGCTGCC	TGGGCCTGTT	CACGTGTTTT	900
86							
87	CCATCCCACA	TAAATACAGT	ATTCCCACTC	TTATCTTACA	ACAACCCCAC	CGCCCACTCT	960
88							
89	CCACCTCACT	AGCTCCCCAA	TCCCTGACCC	TTTGAGGCCC	CCAGTGATCT	CGACTCCCCC	1020
90							
91	CTGGCCACAG	ACCCCCAGGG	CATTGTGTTC	ACTGTACTCT	GTGGGCAAGG	ATGGGTCCAG	1080
92							
93	AAGACCCCAC	TTCAGGCACT	AAGAGGGGCT	GGACCTGGCG	GCAGGAAGCC	AAAGAGACTG	1140
94	0000E1 000	10010mmcc-	111mama165	000010111	110101100		
95	GGCCTAGGCC	AGGAGTTCCC	AAATGTGAGG	GGCGAGAAAC	AAGACAAGCT	CCTCCCTTGA	T200

GAATTCCCTG TGGATTTTTA AAACAGATAT TATTTT

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/021,706

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INPUT SET: S23913.raw

```
(2) INFORMATION FOR SEQ ID NO:2:
100
101
102
             (i) SEQUENCE CHARACTERISTICS:
103
               (A) LENGTH: 249 amino acids
104
               (B) TYPE: amino acid
               (C) STRANDEDNESS: single
105
106
               (D) TOPOLOGY: linear
107
108
             (ii) MOLECULE TYPE: None
109
110
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
111
112
       Met Ala Ala Arg Arg Ser Gln Lys Arg Arg Gly Arg Arg Gly Glu Pro
113
       Gly Thr Ala Leu Leu Val Pro Leu Ala Leu Gly Leu Gly Leu Ala Leu
114
115
                                        25
       Ala Cys Leu Gly Leu Leu Ala Val Val Ser Leu Gly Ser Arg Ala
116
117
                                    40
118
       Ser Leu Ser Ala Gln Glu Pro Ala Gln Glu Glu Leu Val Ala Glu Glu
119
120
       Asp Gln Asp Pro Ser Glu Leu Asn Pro Gln Thr Glu Glu Ser Gln Asp
121
       Pro Ala Pro Phe Leu Asn Arg Leu Val Arg Pro Arg Arg Ser Ala Pro
122
123
124
       Lys Gly Arg Lys Thr Arg Ala Arg Arg Ala Ile Ala Ala His Tyr Glu
125
                   100
                                        105
126
       Val His Pro Arg Pro Gly Gln Asp Gly Ala Gln Ala Gly Val Asp Gly
127
                                    120
                                                        125
128
       Thr Val Ser Gly Trp Glu Glu Ala Arg Ile Asn Ser Ser Pro Leu
129
                               135
130
       Arg Tyr Asn Arg Gln Ile Gly Glu Phe Ile Val Thr Arg Ala Gly Leu
131
                           150
                                                155
       Tyr Tyr Leu Tyr Cys Gln Val His Phe Asp Glu Gly Lys Ala Val Tyr
132
133
                       165
                                            170
       Leu Lys Leu Asp Leu Leu Val Asp Gly Val Leu Ala Leu Arg Cys Leu
134
135
                   180
                                        185
136
       Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Leu Gly Pro Gln Leu Arg
137
               195
                                    200
138
       Leu Cys Gln Val Ser Gly Leu Leu Ala Leu Arg Pro Gly Ser Ser Leu
139
                               215
                                                    220
140
       Arg Ile Arg Thr Leu Pro Trp Ala His Leu Lys Ala Ala Pro Phe Leu
141
                                                235
                           230
142
       Thr Tyr Phe Gly Leu Phe Gln Val His
143
                       245
144
145
           (2) INFORMATION FOR SEQ ID NO:3:
147
             (i) SEQUENCE CHARACTERISTICS:
148
               (A) LENGTH: 189 amino acids
149
150
               (B) TYPE: amino acid
151
               (C) STRANDEDNESS: single
152
               (D) TOPOLOGY: linear
```

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RAW SEQUENCE LISTING PATENT APPLICATION US/09/021,706

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```
153
             (ii) MOLECULE TYPE: None
154
155
156
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
157
158
      Met Val Met Met Leu Arg Thr Trp Arg Leu Leu Pro Met Val Leu Leu
159
      Ala Ala Tyr Cys Tyr Cys Ser Leu Ala Ala Pro Gly Ser Asp Tyr Lys
160
161
                                       25
      Asp Asp Asp Lys Gly Arg Lys Thr Arg Ala Arg Arg Gly Ile Ala
162
163
                                   40
      Ala His Tyr Glu Val His Pro Arg Pro Gly Gln Asp Gly Ala Gln Ala
164
165
      Gly Val Asp Gly Thr Val Ser Gly Trp Glu Glu Ala Arg Ile Asn Ser
166
167
      Ser Ser Pro Leu Arg Tyr Asn Arg Gln Ile Gly Glu Phe Ile Val Thr
168
169
170
      Arg Ala Gly Leu Tyr Tyr Leu Tyr Cys Gln Val His Phe Asp Glu Gly
171
                                        105
172
      Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val Asp Gly Val Leu Ala
173
                                   120
                                                        125
      Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala Ala Ser Ser Leu Gly
174
175
                               135
176
      Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu Leu Ala Leu Arg Pro
177
                           150
                                                155
178
179
      Gly Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp Ala His Leu Lys Ala
180
                       165
                                            170
      Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln Val His
181
182
                   180
                                        185
183
184
185
           (2) INFORMATION FOR SEQ ID NO:4:
186
187
             (i) SEQUENCE CHARACTERISTICS:
188
               (A) LENGTH: 24 amino acids
               (B) TYPE: amino acid
189
               (C) STRANDEDNESS: single
190
191
               (D) TOPOLOGY: linear
192
193
             (ii) MOLECULE TYPE: Protein
194
195
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
196
      Met Lys Trp Val Thr Phe Ile Ser Leu Leu Phe Leu Phe Ser Ser Ala
197
198
                                            10
199
       Tyr Ser Arg Gly Val Phe Arg Arg
                   20
200
201
202
                (2) INFORMATION FOR SEQ ID NO:5:
203
204
             (i) SEQUENCE CHARACTERISTICS:
```

(A) LENGTH: 8 amino acids

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```
206
               (B) TYPE: amino acid
207
               (C) STRANDEDNESS: single
208
               (D) TOPOLOGY: linear
209
             (ii) MOLECULE TYPE: Protein
210
211
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
212
213
214
      Asp Tyr Lys Asp Asp Asp Lys
215
216
217
218
                (2) INFORMATION FOR SEQ ID NO:6:
219
220
             (i) SEQUENCE CHARACTERISTICS:
               (A) LENGTH: 146 amino acids
221
               (B) TYPE: amino acid
222
223
               (C) STRANDEDNESS: single
224
               (D) TOPOLOGY: linear
225
226
             (ii) MOLECULE TYPE: protein
227
228
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
229
230
       Arg Arg Ala Ile Ala Ala His Tyr Glu Val His Pro Arg Pro Gly Gln
231
       Asp Gly Ala Gln Ala Gly Val Asp Gly Thr Val Ser Gly Trp Glu Glu
232
233
234
       Ala Arg Ile Asn Ser Ser Ser Pro Leu Arg Tyr Asn Arg Gln Ile Gly
235
236
       Glu Phe Ile Val Thr Arg Ala Gly Leu Tyr Tyr Leu Tyr Cys Gln Val
237
238
       His Phe Asp Glu Gly Lys Ala Val Tyr Leu Lys Leu Asp Leu Leu Val
239
       Asp Gly Val Leu Ala Leu Arg Cys Leu Glu Glu Phe Ser Ala Thr Ala
240
241
                                            90
       Ala Ser Ser Leu Gly Pro Gln Leu Arg Leu Cys Gln Val Ser Gly Leu
242
243
                                        105
244
       Leu Ala Leu Arg Pro Gly Ser Ser Leu Arg Ile Arg Thr Leu Pro Trp
245
                                    120
                                                        125
246
       Ala His Leu Lys Ala Ala Pro Phe Leu Thr Tyr Phe Gly Leu Phe Gln
                                135
247
           130
                                                    140
248
     Val His
249
      145
250
251
                (2) INFORMATION FOR SEQ ID NO:7:
252
253
             (i) SEQUENCE CHARACTERISTICS:
               (A) LENGTH: 177 amino acids
254
255
               (B) TYPE: amino acid
256
               (C) STRANDEDNESS: single
257
               (D) TOPOLOGY: linear
```

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SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/021,706

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Original Text